

Amendments to the Specification

Please insert the following as the first paragraph beneath the title on page one of the specification.

This application is the National Stage of Application No. PCT/EP2004/013347, filed on November 24, 2004, which claims benefit under 35 U.S.C. § 119(e) of U.S. Provisional Application No. 60/525,025, filed November 25, 2003. The contents of both are incorporated herein by reference in their entirety.

Please insert the following text as the Abstract:

Abstract

A multi-organ gene profiling analysis of the results of an administration to a subject of salmon calcitonin or a parathyroid hormone analogue provides biomarkers of calcitonin treatment efficacy and parathyroid hormone or parathyroid hormone analogue treatment efficacy. Among the biomarkers are the expression profiles of the genes for Y-box binding protein, BMPs, FGFs, IGFs, VEGF, &x3B1;-2-HS glycoprotein (AHSG), OSF, nuclear receptors (steroid/thyroid family) and others. The results obtained support the anabolic effect of salmon calcitonin on bone metabolism.